

METHODS AND SYSTEMS FOR DIFFERENTIATING LEFT AND RIGHT EYE IMAGES

ABSTRACT OF THE DISCLOSURE

Methods and systems for determining whether an image is of a left eye or a right eye may be used to enhance laser eye surgery systems and techniques. Methods generally involve locating an iris center and/or pupil center on an image of the eye, locating a corneal vertex and/or at least one reflection on the image, and determining whether the image is of a left eye or a right eye, based on the location of the corneal vertex and/or reflection(s) relative to the iris center and/or pupil center. Systems include a laser emitting a beam of an ablative light energy and a computer processor having a computer program for determining whether the image is of a left eye or a right eye, based on a location of the corneal vertex and/or reflection(s) relative to the iris center and/or pupil center.

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